

ABSTRACT

When oxygen gas having a high purity is supplied to an ozonizer of an electric discharge type to thereby generate ozone, an ozone density is prevented from decreasing without the use of nitrogen gas. In order to realize the object, moisture is added to the high-purity oxygen gas via a humidifier (4) when the high-purity oxygen gas is supplied to an ozonizer (1) from an oxygen gas source (2). Through the addition, the moisture volume in the high-purity oxygen gas supplied to the ozonizer (1) is adjusted to be within the range of 0.05 - 40 ppm.